

PROCEEDINGS OF THE BOARD OF HEALTH MEETING  
TUESDAY, MAY 14, 2019 5:30 PM  
Sophie Beaumont Building  
111 N. Jefferson Street, Room E03  
Green Bay, WI 54301

Present: Richard Schadewald, Cynthia Brown-Sullivan, Jay Tibbetts, Edward Morales, Cheryl Weber

Excused: Susan Molenaar, Karen Sanchez

Others Present: Erik Pritzl, Anna Destree, Ann Steinberger, Zach Kroening, Andrea Kressin,  
Katie Ledvina, Luceth Escandell, Erik Hoyer, Steve Deslauriers, William Acker

**1. Call to Order, Welcome, Introductions**

Chairman Richard Schadewald called the meeting to order.

**2. Approval / Modification of the Agenda**

MOTION: To modify and approve the agenda by adding 4a. Nursing Division Update

Tibbetts / Brown-Sullivan

MOTION CARRIED

**3. Approval of Minutes of Meeting of March 19, 2019.**

MOTION: To approve the minutes from March 19, 2019.

Cheryl Weber proposed a change in Health Officers Report to add, "Anna indicated it was the highest" after Dr. Morales' inquiry as to Level III being the highest.

MOTION: To approve the minutes as amended from March 19, 2019.

Weber / Brown-Sullivan

MOTION CARRIED.

**4. Accreditation 101 Presentation**

Katie Ledvina, Public Health Planner, stated she started with Brown County in February and her main objective is accreditation. The Public Health Accreditation Board (PHAB) has a set of standards, measures, and best practices they want us to meet. Katie stated there are twelve domains, which they check on for accreditation, ten of which are essential services and two, which are management and governance. Katie stated our goal is to be accredited by 2022. The reason for accreditation is that we want to get credit for the things we are doing and enhance opportunities for funding. Katie reviewed the seven steps to accreditation. She stated we are in Step 1, which is Preparation.

Katie stated it is important that Brown County Health Department personnel and the Board of Health share information regarding accreditation. Katie stated it is important that actions taken by the Board be well documented.

Ed Morales asked if performance measures are in the guidelines or is it something that the Board of Health sets. Katie stated we create our measurements.

Dr. Tibbetts thought the department was accredited in the past. Anna stated there is a 140 review process where the State makes sure we are doing what we are saying in terms of services. The State gives us the Level III designation. Anna stated it is different from the PHAB accreditation. Anna stated when we are PHAB accredited, they consider us to be at the highest standard a local health department can be and once accredited, we do not have to do the 140 review because we have already proved those standards. The 140 review is a state process and accreditation is a national process.

**5. Nursing Unit Update**

Ann Steinberger stated we put together a measles community engagement plan, which she handed out. Ann stated there would be a press release going out with facts on the outbreak. There will also

be an ad at the airport and posters will be sent out to health care providers and partners. We will be having a measles tabletop in June.

Ann stated communicable disease funding would be used to increase our immunization assurance so we are focusing in on HPV and measles related activities. We are focusing on STI prevention outreach supplies in bars and we will have ads on buses. We will also have fight the bite kits put together for vector borne. We would also like to plan with our long-term care facilities with an outbreak response.

Mr. Schadewald asked if there were any measles cases in Brown County. Ann indicated there were not. Mr. Schadewald asked if we were targeting certain groups regarding measles. Ann indicated we want to make sure the medical providers are up to speed with their guidelines. She stated it is not just a matter of diagnosing but making sure they are isolated and providing contact follow up. Dr. Morales asked how many people in the State were missing their vaccinations. Ann stated nationwide it is one in 12 people. Ann stated in Brown County we are at 81% of children are appropriately immunized by age 2. Steve Deslauriers asked if we identified who the target is in Brown County. Ann stated the schools and day cares report to us their vaccinations rates and we are working with some of those populations. Ann stated that with the Minnesota Measles outbreak a few years ago we held a presentation with the Somali population. Ann stated we are working with the schools to get information out to the families. Cheryl asked if we target children who are home schooled. Ann stated we have worked with schools in the past and we provided them education. Anna stated we emphasize the medical home to build that relationship with the providers and hope they may be more likely to get those vaccinations in those cases.

**6. Environmental Unit Update**

Zach stated August 19 through August 23, all sanitarians, including Zach, will be taking a lead training. This training will allow us to use the XRF machine. Zach stated we are getting ready for licensing season. Mr. Schadewald asked what the projected revenues versus expenses are in regard to the tourist rooming homes. Anna stated we would bring that number to the next meeting. Zach also stated we have the STR helper to help us find them.

**7. Community Engagement Unit Update**

Andrea stated we are moving toward accreditation. Andrea stated we have a draft of our Quality Improvement Plan and she will bring to the next meeting for input from the Board. Andrea stated we had our first stakeholder meeting, regarding the home visitation program to assess the need in the community and how we fit into the larger picture. The second stage is incorporating more community partners in the conversation and that meeting should be happening in the next month. Andrea stated once we have a summary, we would bring it to the Board to share our findings and recommendations. Andrea stated the annual report should be available mid-year for feedback. Andrea introduced Public Health Educator Luceth Escandell who will be working on the hearing and vision program. Luceth is also working on quality improvement initiatives. Andrea stated the Hearing and Vision nursing position is open and we will hire that the beginning of August.

Andrea stated as part of our Health and Human Services collaboration we have been looking for dollars to help with substance abuse issues. We received some dollars for the Alliance for Wisconsin Youth grant and we were able to get a permanent drop box installed at the Community Treatment Center, which is the first non-municipal community drop box.

**8. Health Officer's Report**

Anna stated one of our 2019 budget initiatives was to perform a time study and it kicked off this week. Anna handed out a document entitled "Governor Evers' Budget" from the Wisconsin Department of Health Services which shows where the funds go. Anna stated at the last WAHL DAB she learned about a media award where they recognize someone who has helped get the voice of Public Health out in the community. Anna stated Doug Schneider has helped us with key public health messaging and Anna nominated Doug for the WPHA Media Award and Doug was chosen as the recipient.

Anna stated the feedback we got back from the State of Wisconsin after our 140 review was that at the Board of Health meetings there should be some kind of action taken on agenda items so the action is recorded in the minutes. An example would be a motion to receive and place on file.

Mr. Schadewald asked if the Health Department was spending the AWY funding or was it being spent on contractors. Andrea stated the AWY funding is Alliance for Wisconsin Youth and there was an additional \$2,000 available to spend for substance abuse related issues. Mr. Schadewald wanted management to think about if Brown County was contracting out things, could Public Health do it if they had the staff. He also stated to look if we were duplicating services in contracted services. Erik Pritzl stated Tyler Luedke does presentations in schools and instead of contracting that, we did it internally. Mr. Schadewald would like us to look at items we are currently contracting out for services and whether they can be done in house.

Dr. Tibbetts would like to give Doug Schneider the WPHA award and write a commendation for the next meeting.

Dr. Tibbetts asked the status of the car seat program. Andrea stated we are collaborating with other community agencies to meet the needs of the community without public health providing all appointments. She stated we are in partnership building mode; working with the fire departments, the Center for Childhood Safety and other agencies to provide education and installation assistance. Andrea stated we are currently working with Bellevue Fire and Howard Fire Departments where we have off site clinics, twice a month. Mr. Schadewald asked if the hospitals provide car seats. Andrea stated parents are expected to have a car seat when they arrive at the hospital but it is not a law to have it professionally installed by a certified technician. Andrea stated hospital staff link families to programs. Mr. Schadewald asked how this relates to the Welcome Baby program that we contract out. Andrea stated in terms of injury prevention, we provide resources and materials to families while they are in the hospital. Our follow-up with the family is as needed. Mr. Schadewald asked if we have used car seats. Andrea stated for liability purposes, we do not distribute second-hand car seats.

Mr. Schadewald asked if we meet families in the hospital. Andrea stated we do not meet the family. We work with the coordinators of the Welcome Baby program to make sure that information and education is provided. Mr. Schadewald asked how many referrals we get through that program. Ann Steinberger did not have the exact number but stated we receive about 10 to 20 per month from multiple agencies referring mothers to us. Andrea stated the Welcome Baby program is a way of connecting with families with multiple resources, not just a car seat. Dr. Morales asked if there was a way to work this into a performance type project. Andrea stated that is a direct goal of accreditation and as we put those systems in place we will be able to provide reports. Mr. Schadewald asked how much does the Welcome Baby cost. Erik Pritzl stated he thought the County Board gave money to Welcome Baby one year. He stated last year they did not come back and ask for additional funding because Human Services funded a slice and they got other funding from other sources. Erik stated it is a community effort to make sure Welcome Baby as a universal screening gateway was preserved. Erik stated they did come back the second year for more money.

Dr. Tibbetts asked Anna about the group put together to discuss wind turbine issues and did she have an update. Anna stated the group had a tough time outlining what they wanted to achieve. She believed they had a meeting but she was unable to attend due to another meeting.

MOTION: To receive and place on file

Brown-Sullivan / Morales

MOTION CARRIED

**9. Public Health Legislation – Standing Item**

Anna stated Representative Gordon Hintz introduced a bill to increase immunization rates and reduce the spread of infectious disease. Anna stated he is looking at the personal conviction waiver and the potential to have that removed.

MOTION: To receive and place on file

Weber / Brown-Sullivan

MOTION CARRIED

**10. Receive New Information on Wind Turbines – Standing Item**

Steve Deslauriers stated there were three resolutions at the county board level in support of the Board of Health's actions.

Mr. Deslauriers read the "Resolution Regarding: Health Risks Posed by Wind Turbines" from the July 21, 2010 Board of Supervisors meeting.

TO THE HONORABLE CHAIRMAN AND MEMBERS OF THE BROWN COUNTY BOARD OF SUPERVISORS  
Ladies and Gentlemen:

WHEREAS, Brown County has established a Board of Health pursuant to Wis. Stats.

§251.03; and

WHEREAS, Wisconsin Statutes give the Board of Health responsibilities to: "Develop policy and provide leadership that fosters local involvement and commitment, that emphasizes public health needs . . ." and to " . . . assure that measures are taken to provide an environment in which individuals can be healthy" Wis. Stats. §251.04 (6)(b) and §251.04 (7); and

WHEREAS, the Board of Health met on May 25, June 8 and June 15, 2010 to collect and consider information from various sources including the following:

- 1) Statement on health and safety of existing installations from Invenergy, LLC (Sponsor of LedgeWind project proposed for rural Brown County);
- 2) A review of available literature on health concerns associated with Wind Turbines presented by the Wisconsin Department of Health Services;
- 3) The proposed regulations (5/17/10 Draft) of Chapter PSC 128, the Wind Siting Rules presently being considered by the Public Service Commission of Wisconsin;
- 4) Various studies from throughout the world on the health effects of wind turbines and guidelines from the World Health Organization;
- 5) Statements from Brown County Citizens for Responsible Wind Energy;
- 6) Presentations from Bill Hafs, Director of the Brown County Land Conservation Department and Kristin Morehouse, P.E. from Brown County Citizens for Responsible Wind Energy on the contamination threat construction of wind turbines and installation of necessary underground cables pose to the well water consumed by residents in rural areas of Brown County where the bedrock has Karst features;

and  
WHEREAS, the Board of Health has identified issues of concern for the health of Brown County residents including noise from wind turbines causing health problems for persons in occupied structures and a concern installation of wind turbine systems may result in well water contamination where Karst features in the bedrock are conduits for surface water run off; and

WHEREAS, the Board of Health has made recommendations to the Board of Supervisors it believes are important to the health of county residents.

NOW, THEREFORE, BE IT RESOLVED that the Brown County Board of Supervisors does hereby adopt the recommendations of the Board of Health as follows:

- 1) Wind turbines should be placed such that sound outside of any occupied structure be measured at no greater than 40 decibels at night;
- 2) Required set back placements should be a minimum of 2,640 to 3,168 feet from an occupied structure;
- 3) Wind turbines should not be installed in areas of southern Brown County where Karst features in the bedrock have been identified because of the contamination threat posed to the residents' drinking water supply;
- 4) The Board of Supervisors recommends no wind turbines be constructed in unincorporated areas of Brown County until Chapter PSC 128 Wind Siting Rules are enacted and in force.
- 5) Request that the Public Service Commission delays approving the PSC wind siting standards until all epidemiological studies of health complaints from Wisconsin current wind farms are thoroughly completed.

BE IT FURTHER RESOLVED that copies of this resolution be forwarded to Brown County representatives serving in the Wisconsin Legislature and the Public Service Commission of Wisconsin.

Respectfully submitted,

BROWN COUNTY BOARD OF HEALTH HUMAN SERVICES  
COMMITTEE

Mr. Deslauriers stated about the reference to PSC 28, that process was interrupted because the (JCRAR) Joint Committee for the Review of Administrative Rules voted to suspend the rules because of the possibility of a health issue.

Mr. Deslauriers stated in Southern Brown County, because they are on the top of the ledge, they have issues with well contamination. He stated the concern of consultants and professional engineers was the construction, boring, and connection of these turbines, one to the other, and to the substations underground, together with the vibrations from the turbines themselves, could pose a threat because they have a lot of manure spreading in his area. He stated they already have issues with the wells. Mr. Deslauriers read the following from the "Resolution Regarding Requesting that the Public Service Commission of Wisconsin Include Considering the Impact on Groundwater due to Construction in Karst Regions of Brown County as part of their Review of the Ledge Wind Energy LLC (Invenergy) Wind Energy Projection Application" dated July 29, 2010.

NOW, THEREFORE, BE IT RESOLVED that the Brown County Board of Supervisors respectfully requests that the Public Service Commission of Wisconsin review the Invenergy application for the wind farm in Brown County and require that Invenergy use proper engineering construction methods around wind turbine footings, access roads, and buried power cables to prevent additional conduits of groundwater from being created; and

BE IT FURTHER RESOLVED THAT the Brown County Board of Supervisors respectfully requests that the Public Service Commission require Invenergy to communicate and provide information regarding the specific location of all Karst features encountered during construction for the proposed wind energy project to the Brown County Land and Water Conservation Department and the Wisconsin Department of Natural Resources (DNR) to help regulate the land application of animal wastes by the Brown County Land and Water Conservation Department and industrial, septic, and municipal wastes by the DNR; and

BE IT FURTHER RESOLVED THAT Brown County respectfully requests that the Public Service Commission require Invenergy to provide funds for a Brown County staff person to be hired to work with Invenergy and residents in the wind farm region during the construction phase of the project regarding location and identification of Karst features; and

BE IT FURTHER RESOLVED THAT this staff person will continue to work in the wind energy project area, throughout the lifespan of the project, with land application of animal waste setbacks, nutrient management, and coordination of other land application of industrial wastes, municipal wastes, and septic wastes with the DNR to prevent future groundwater contamination problems.

Respectfully submitted,

LAND CONSERVATION SUBCOMMITTEE PLANNING,  
DEVELOPMENT & TRANSPORTATION COMMITTEE

Mr. Deslauriers stated all these resolutions came through the Board of Health, Human Services and ultimately ended up at the Board of Supervisors and all were unanimous reaffirmation of what the Board of Health did. He thinks it is important as the Board of Health moves forward and they have support at the County Board level.

Mr. Deslauriers read the "Resolution Requesting Emergency State Aid for Residents of the Town of Glenmore Harmed by the Siting of Industrial Wind Turbines in Close Proximity to their Homes," dated February 20, 2012.

TO THE HONORABLE CHAIRMAN AND MEMBERS OF THE BROWN COUNTY BOARD OF SUPERVISORS  
Ladies and Gentlemen:

WHEREAS, in 2009 the Wisconsin Legislature established the Wind Siting Council within the Public Service Commission and gave the Council and the Commission the responsibility to promulgate rules that specify the restrictions a political subdivision may impose on the installation of a wind energy system and required the rules to include setback requirements that provide reasonable protection from any health effects associated with wind energy systems; and

WHEREAS, the Legislature required the Wind Siting Council to include a member of the University of Wisconsin System faculty with expertise regarding the health impacts of wind energy systems but the Public Service Commission failed to appoint a member with the required expertise; and

WHEREAS, the Wind Siting Council did make recommendations to the Public Service Commission and the Commission did promulgate proposed regulations: Wind Siting Rules (Ch. PSC 128); and,

WHEREAS, the Joint Committee for the Review of Administrative Rules (JCRAR) of the Legislature suspended these proposed rules on March 1, 2011 "on the grounds that the contents of Ch. PSC 128 create an emergency relating to public health, safety, or welfare; are arbitrary and capricious; and impose an undue hardship on landowners and residents adjacent to wind turbine sites; and

WHEREAS the State of Wisconsin has failed to remedy this "emergency relating to public health, safety, or welfare" by carrying out the mandate of 2009 WISCONSIN ACT 40; and,

WHEREAS the State's failure to enact wind siting rules that protect human health and safety, has allowed development of the industrial wind project known as Shirley Wind LLC to be constructed in the Town of Glenmore, Brown County, Wisconsin (dedicated November 2010); and

WHEREAS Shirley Wind LLC ~~has created~~ purportedly have "an environment that ~~has~~ may have " resulted in the very same "undue hardships" that the JCRAR suspension of Ch. PSC 128 sought to prevent. These "undue hardships" have purportedly "forced two families to vacate their homes to regain their health and continues to ~~force~~ possibly cause " at least two other families to suffer adverse health effects significant enough that they seek refuge away from their homes but do not have the financial ability to temporarily relocate; and

WHEREAS the Brown County Board of Supervisors has in the past, and continues to, advocate for the health and safety of Brown County families.

NOW THEREFORE, BE IT RESOLVED that the Brown County Board of Supervisors requests the State of Wisconsin furnish temporary emergency financial relocation assistance to those Brown County families that are suffering adverse health effects and undue hardships that we strongly believe " caused by the irresponsible placement of industrial wind turbines around their homes and property in the Town of Glenmore. The State of Wisconsin emergency financial assistance is requested until the conditions that have caused these undue hardships are studied and resolved allowing these families to once again return safely to their homes and property.

Cheryl Weber asked about the first resolution read whether the Town of Glenmore is in compliance or not. Mr. Deslauriers stated Shirley Wind is very much the perfect storm. He stated they have almost the largest wind turbines in the country with amongst the shortest setbacks. The Town regulated it when it was built. It does not absolve the County from dealing with the health issues because they do not have a health department, they do not have a Board of Health so the County is on the hook for their bad decision-making. Mr. Deslauriers stated the Town has very specific and protective wording in both the (CUP) Conditional Use Permit and the ordinance in the Town. They have refused to enforce the very clear standards in their ordinance. Mr. Deslauriers stated there is liability and concern and what he would consider dereliction of the Town Board's duty in Glenmore for the siting problems and not enforcing their clear protective wording.

Mr. Schadewald stated the County was not able to set the standards because the State took control. Mr. Deslauriers stated in Shirley Wind's case that was before the State standards. Mr. Schadewald stated Brown County never had control. Mr. Deslauriers stated the Resolution defining the standards was in 2010 before the turbines went live. The Board of Health had gone through the Invenrgy project and the Shirley Wind Project and had determined what was, in their opinion, safe siting standards for a turbine so that Resolution was passed and adopted by the Board of Supervisors. There is no teeth to it because it is not countywide zoning here. Mr. Deslauriers stated it was a strong message but it does not have much teeth.

Cheryl Weber asked if all the resolutions were in 2010. Mr. Deslauriers stated it was in 2010 and 2012. Mr. Schadewald stated there were other Resolutions, one to give Rick James money and there are more. Mr. Schadewald stated his point is the Brown County Board of Supervisors has supported the Board of Health; it is just the idea of who has the power to do what. Mr. Deslauriers stated do not underestimate the Board of Health's statutory authority to make policy for the Health Department.

William Acker, 327 Nicolet Drive, Green Bay, submitted a document entitled *"Blurred Vision, Eye Fatigue & Blindness Caused By Wind Turbine Pressure Pulsations In the Inaudible Infrasonic Range,"* dated May 12, 2019 by William G. Acker. Mr. Acker read directly from the document submitted as follows:

*"For many years I and Dr. Jay Tibbetts have been investigating wind turbine noise and its effects on the eye. What we have learned over the years is that these Industrial Wind Turbines are producing significant pressure pulsations in the Infrasonic Noise Range (Infrasonic is from 0 Hz to 20 Hz). The infrasonic noise tests for these Industrial Wind Turbines show significant pressure pulsations in the 0.40 Hz to around 6.0 Hz. To hear this noise, the noise would have to be above around 115 dB according to the Human Threshold of Hearing studies, which is above the tested noise levels from the wind turbines. In recent years, however acoustical engineer Steve Cooper has been able to test not just the Threshold of Hearing but also the Threshold of Perception. Cooper used 9 sensitized people who lived near the Cape Bridgewater Wind Farm. In this study all nine participants could sense the wind turbine noise even though that noise was below the Human Threshold of Hearing, in other words they were sensing the noise. This is very similar to what was experienced by Allisa Ashley the daughter of Darren & Susan Ashley who lived near the Shirley Wind Turbines. At the Ashley home you cannot see the turbines from inside the home and a lot of the time there was no audible noise. Allisa was able to sense, when a wind turbine started up or shut down without looking outside, and without any audible noise. This is covered in a You Tube Video, produced on Dec. 22, 2011 by Jim & Barb Vanden Boogart, called " Shirley Wind Project - The Unvarnished Truth, Shirley Wind Project Victims Speak Out."*

*In the appendix of this report, Appendix A shows the test results from Shirley Wind which illustrates the Infrasonic Pressure Pulsations from the Shirley Turbines starting with the first pulsation at 0.70 Hz, and followed by Harmonic pressure pulsations at 1.4 Hz, 2.1 Hz, 2.8 Hz, 3.5 Hz and 4.2 Hz. The pressure pulsations from peak to trough get up to 16 dB which is some of the highest pulsations I have seen in noise testing. Appendix B shows a similar test of the Falmouth Massachusetts Wind Farm which in a court case has been ordered to be taken down. The Shirley Wind Turbines will experience a pressure pulsation around every 1.43 seconds which would result in 60,479 pulsations in a day if the turbine runs all day long.*

*If you include the 5 harmonic pressure pulsations that occur after the initial pressure pulsation, that would mean 362,874 pulsations in a day from just one wind turbine.*

*These pressure pulsations are coming from the Wind Turbines because when they shut down the pulsations disappear from the noise analysis.*

*Over the years I and Dr. Tibbetts have been studying the health effects experienced by Dave and Rosemary Enz who had to leave their home due to their severe illnesses experienced at their home near the Shirley Wind Turbines. One area of our focus has been on Dave's blurred vision when the wind turbines are*

*operating. We believe that Dave's blurred vision is the result of eyeball vibration caused by the Wind Turbine pressure pulsations. There are many other people who have experienced the blurred vision including Acoustical Engineer Robert Rand who experienced this during the testing of Shirley Wind, a study conducted by four Acoustical Engineering Firms, and paid for by the Wisconsin Public Service Commission. This Dec. 24, 2012 Shirley Wind Report said the following:*

*" The four investigating firms are of the opinion that enough evidence and hypotheses have been given herein to classify LFN and Infrasound as a serious issue, possibly affecting the future of the industry".*

*Over the years there has been much investigation into vibroacoustic disease caused by resonance vibration of body parts. Many parts of the body reach resonance at 4.0 Hz to 20 Hz or in other words in the Infrasound Range. Also research studies have shown that there is a resonant frequency of the whole body which occurs at 5 Hz which is in the range of the harmonic pressure pulsations mentioned on page 1 of this report. You should also know that many of the studies on the negative health effects are primarily focused on the pressure pulsations in the Infrasound Range. There is however some sights that also have problems with the higher frequency component of the noise called the swish noise. The swish noise problems can be heard on many You-Tube Videos on the Internet. Dr. Tibbetts and I are convinced that Dave Enz and many other people, including acoustical engineer Robert Rand, have blurred vision due to theses pressure pulsations.*

*Recently Dr. Tibbetts and I became aware of an acoustical engineer who experienced blindness in one eye after testing a Wind Farm. This person went to any Eye Doctor who diagnosed him with eye fatigue, and thus gave him eye exercises to do. Three weeks later his vision returned.*

*Since there are few investigations into the effects Industrial Wind Turbines have on the eye, I like to look at the effects on animals. Also animals cannot experience a nocebo effect (a case where a person hears about health problems and thus thinks himself sick). A family Joe & Cindy Cobb and their Son Erick live near a Wind Farm called the Golden West Wind Energy Center in El Paso County Colorado. This Facility is made up of 145 Turbines that are 1.72 MW/each and stand 425 ft tall. This family has wind turbines on three sides of their home, on the North Side, West Side and East Side.*

*The Cobb's have raised ducks on their property for 36 years with no incidents of blindness until the Wind Farm started up on Sept. 17, 2015. After start up the Cobb's Muscovy male duck had one eye turn white in one eye, and then later the other eye turned white resulting in total blindness. Cindy noticed that the duck was frequently running into things, later the eyes dried up and in 2018 the duck died. Then a snowy call duck went blind in both eyes and then five other ducks went blind in one eye. So Cindy had 7 ducks out of 30 ducks that have experienced blindness from 2015 through 2018 (period of 3 years and 3.5 months).*

Bill Acker submitted for the record, Appendix A-G which shows various pictures of the ducks. Mr. Acker continued reading his submitted document.

*In addition to the cases of duck blindness the Cobb's were told by their Farrier (a blacksmith who specializes in shoeing horses) that a neighbor had to put their horse down after it went blind in both eyes. The Farrier said the this large horse could not handle the blindness, so they put the horse down. Jeff & Sandy Wolfe who also live in this community have seen blindness occur in their cows and donkeys since the wind turbine start-ups."*

Mr. Acker stated pressure pulsations from first industrial wind turbines is very well known. The very first case was when the United States Energy Center developed the first industrial wind turbine and Dr. Neil Kelly and his co researchers at the Solar Energy Research Institute noticed that that wind turbine was causing annoyance and health problems in the people that lived near the wind turbine. Mr. Acker submitted a list in his document of all the government agencies, engineering societies and so forth that were involved in this project and also involved in the analysis of the problems that had occurred. Mr. Acker continued to read from his document.

*This group developed a 2.0 MW wind turbine called MOD-I which was built on on Howard's Knob near Boone North Carolina. When this turbine started up on July 11, 1979, dozens of families living within 1.86 miles of the site complained of headaches, ringing in the ears, insomnia and dizziness fatigue (similar symptoms experienced by the Cobb's in Colorado and the Shirley Wind Residents (like the Enz Family) in Glenmore Wisconsin. This MOD-I Wind Turbine produced an annoyance described as an intermittent "thumping" sound accompanied by vibrations. In research supported by the US Dept. of Energy, Dr. Neil Kelly and his colleagues in 1987 identified impulsive Low Frequency and Infrasound Noise. These Boone North Carolina families had similar experiences to the families in Colorado and Wisconsin. What is also important is that these families could not have experienced a nocebo effect*

(where people think themselves sick because they heard about wind turbine illnesses), because there was no knowledge of wind turbine illness at that time. The tested noise was found to have a significant Low Frequency & Infrasound component, in fact the highest noise levels were down in the Infrasound Range. Sensitization or conditioning was acknowledged (in the Boone Study) in simple terms people did not get used to the sound energy but became more sensitized to it with cumulative exposure (similar to the Enz Family experiences). What was clearly established was the perception of the sound energy was well below the audibility thresholds for hearing in the infrasound range. In other words people could feel the sound pressure or vibration (much like Allisa Ashley's experience in Glenmore Wis.)

Bill Acker stated he did a comparison of the wind turbines at the Boone, North Carolina facility to Shirley Wind and Golden West so that you can see the comparisons are very similar (inserted).

	Boone Carolina	North	Golden West	Shirley
1. Max. Electrical Output	2.0MW		1.72 MW	2.5MW
2. Hub Height	140 ft.		26 ft.	328 ft.
3. Rotor Diameter	200 ft		338 ft	328 ft.
4. Total Height	240 ft		432 ft	492 ft
5. Number of Blades	2		3	3
6. Blade location Relative to Tower	Downwind		Upwind	Upwind
7. Rotation Speed	35 rpm			9.6 to 16.8
8. Cut in speed	13.42 mph		6.71 mph	6.71 mph
9. Cut out speed	40.26 mph		51.45 mph	44.78 mph

*"Wind Industry claims that the NASA Boone North Carolina noise & health problems are different than today's turbines because they were downwind turbines yet the health impacts and the noise problems are the same."*

Mr. Acker stated at the Cobb residence they have had numerous animal deaths which is contained in his submitted report. Mr. Acker read from his submitted report.

*The Cobb's also raise mini donkeys and have been doing so since 2002. Normally they would have 3 baby donkeys a year before the Wind Farm startup on Sept. 1 7 2015. In 2015 they did have 3 baby donkeys but in 2016 they only had one baby Donkey. In 2017 they had one baby donkey and in 2018 they had no baby donkeys. There is something going on to cause this to occur. They have 2 heifers and a 2 year old cow, all breeding age that are also not breeding. Since the turbines have started up the Cobbs have lost 60 animals.*

*The significant death of animals not just at the Cobb residence but throughout the world are warning signs of the health problems much like the canaries in birdcages used in coal mines. In my opinion the deaths are caused by body vibration commonly called vibroacoustic disease. Vibro Acoustic Disease is largely unheard of, where internal organs have been damaged by Infrasound & Low Frequency Noise. Pilots, air stewards and people working on ships and submarines develop a hardening in their internal organs related to the vibration brought on by infrasound.*

Bill Aker stated the human health problems at the residence for Cindy Cobb, Joe Cobb and Eric Cobb includes dizziness, nausea, loss of sleep, headaches, lethargy, high blood pressure, rapid heartbeat and panic attacks. Bill Acker continued reading from his submitted document.

*"In today's hurry-hurry life style stress runs rampant. As stress builds, our bodies react, we gain weight and belly fat, our blood and blood pressure rise and we feel tired all the time, often battling depression. And all of that stresses us more. We then need to decrease stress to get normal again. More specifically, we need to lower cortisol levels in our bodies. Cortisol is a hormone released by our adrenal glands when we feel stressed, so our body is on alert and ready to battle. That's why it's called the stress hormone. Cortisol is a good thing. It helps us think quickly in times of danger. The*

*more stress we feel, the more cortisol is released. However, our bodies weren't designed to be under constant stress. Constant high levels of Cortisol can cause Non Alcoholic Fatty Liver and or Cushings Syndrome.*

*Many family members living near the Golden West Wind Energy Center in El Paso County Colorado (near the town of Calhan) are experiencing very high Cortisol Levels that are 5 times higher than normal. High levels of Cortisol can lead to Fatty Liver and or Cushings Syndrome. Cindy & Joe Cobb*



*live near this wind farm. Cindy told me that their postman was diagnosed with Non Alcoholic Fatty Liver. So the postman quit his job and moved away from the turbines and the Fatty Liver went away.*

*Jeff & Sandy Wolfe who also live near the Golden West Energy Center experienced many health problems and animal health problems. When their pet dog died they had a necropsy (autopsy for animals) done which identified that the dog's organs were swollen and that the liver failed. Jeff then went to his doctor only to find that his liver had expanded. The Wolfs have had 5 pet dogs die that were not elderly dogs and the Cobb's have lost three of their pet dogs.*

*Both Cindy & Joe Cobb have developed lipoma on their backs between their shoulder and spine. Lipoma is a benign tumor made of fatty tissue. They are generally soft to the touch, movable and painless. They usually occur just under the skin, but occasionally may be deeper. Most are 5 cm in size and are usually found in the upper back, shoulders and abdomen. These Lipoma's started to appear after the Turbines started up, but we are not sure what might be the cause. Some of their mini horses also have Lipoma.*

Mr. Acker submitted and read a document entitled "Review of July 10, 2018 Brown County Board of Health Discussion Between Jim Crawford & Anna Destree," dated May 14, 2019 by William G. Acker.

*"Jim Crawford stated Anna's predecessor thought wind turbines were not a human health hazard and asked Anna if it met the State's definition of a human health hazard. Anna stated multiple reviews and studies have been done and at this time, it does not fall to the level of an imminent human health hazard. Anna states they define an imminent human health hazard as something that can cause imminent bodily injury or death and at this time, it does not fall to that level."*

Mr. Acker stated in the Public Health Nuisance Code, Chapter 38 there are two other sections of that Code that covers other areas of imminent human health hazard.

Mr. Acker stated public nuisance is a thing, act, condition or use of property which continues for such length of time as to: substantially annoy, injure or endanger the comfort, health, repose or safety of the public or to cause, or is known to have the potential to cause, a serious health hazard; and in any way render the public insecure in life or in the use of property. Mr. Acker stated human health hazard means a substance, activity or condition that is known to have the potential to cause acute or chronic illness or death if exposure to the substance, activity or condition is not abated.

Mr. Acker stated immediate human health hazard is a condition that exists, or has the potential to exist, which should, in the opinion of the Health Officer, be abated or corrected immediately or at least within a 24-hour period, to prevent possible severe damage to human health or the environment. He stated the section Anna was citing is the most imminent of the other two sections but we do have the other two sections in that ordinance that can be used to protect the people. Mr. Acker stated there were two other sections to this code that also applies to this. He stated annoyance is a big issue with wind turbines but he personally believes that there is a significant health hazard due to the pressure pulsations. He hopes in the near future to try to come up with some actual medical tests to prove the associations to some of the things he has spoken about.

Cheryl Weber stated at the last meeting a link was provided for YouTube videos, which she watched, and she thinks they were from 2011 and 2013 and she wondered how the families are doing now. Barbara Vanden Boogart stated she is in contact with them and they are still suffering. Barbara talked about Jean Tenor. Barbara stated she applauds the action of the Board in the past making the declaration, and no action has been taken to stop the exposure, which cannot be stopped by any barrier whatsoever being erected. Barbara stated as long as the turbines operate they will emit ILFN. She stated over 20 homes have been tested in the Shirley Wind Project that document the emissions to be within the nausogenicity range established by the Navy. This is known substance that causes set of symptoms. Barbara stated Stephen Cooper's study, which was a blind study of 18 people, proved direct causal link. Barbara stated NASA did ten years of studies proving it and they informed the wind industry. A 2012 study done by our State government with four acoustical firms established emissions in that range in the Shirley Wind study here in Brown County. Barbara stated Shirley Wind is one of the three most studied projects in the world. All of the scientific study supports impact on them. The only way to stop harm to those individuals is to

stop the emissions. Barbara stated from her perspective if these individuals were living in the city, in Green Bay, there would be no tolerance for this long period of inaction to protect them. The individuals in Shirley Wind pay their taxes and deserve the same protection and they have not received it.

Mr. Schadewald stated there was also a forum at Bay Port and many of these people attended which is also on YouTube. He stated this Board in 2014 did declare it a human health hazard and then we voted to reaffirm it three years ago. Dr. Tibbetts would encourage members to read 2014 Board of Health minutes.

Mr. Deslauriers stated he interacts with these people as well and a few of them are his friends. They continue to sleep in their basement to get some sort of relief. They have seen their primary care physicians and some of them are medicated to deal with the symptoms. When they go away from the site, those symptoms subside, when they come back, they are recreated. Mr. Deslauriers says he is impacted inside one of the homes. Outside the home, not so much, but inside the home he would consider it torture. Mr. Deslauriers stated these people have come forward, devaluing their homes and making their homes a toxic site essentially, allowing their medical record to be public. He states they are doing everything they can to be open, honest, and ethical and not sell it to another person without telling the truth. Mr. Deslauriers would not wish their fate on anyone and these are people who did not care one way or the other whether these turbines were built. Mr. Deslauriers states the peer reviewed science that he has read links levels of infrasound to human health impacts that mimic what is happening here. He states we have so much acoustical data from Shirley Wind because it is the largest turbine with the closest proximity to homes. He stated it is the perfect storm that is why so much study has been done here. He stated we know what the emissions are, at the levels they are, and peer reviewed science points to that being harmfully impactful to people. He states the politicians that spout the same callous things about people faking it and he would say bring your loved ones out there. You are forcing these people to endure and no politician or community leader has taken him up on that. If you are willing to impose this situation on these people, who did not ask for it, and are dealing with all these symptoms, before you start talking as an expert in the public eye come out and experience it yourself. He stated some of our County government has been out there and he is thankful for it.

Steve Deslauriers stated at the Bay Port meeting, Tammy from Duke Energy said this was the only wind farm we are having problems and complaints. He stated at that very moment they were in a court battle with the hosts of their turbines in Texas who are suing them for the same conditions that are being imposed here. He stated Tammy patently lied of that situation.

Mr. Schadewald stated there was a mink farm that closed in Scandinavia.

Barbara Vanden Boogart stated that while those families abandoned their homes, they purchased someplace else to live, they are paying their second mortgage hoping that the County will restore them to their home. There was a third family that had to move out with a small child. Barbara stated there have been many families who have moved away. Cheryl asked if the people that have bought those homes are they also experiencing issues. Barbara indicated some were. Bill Acker stated some people do not experience illness. He knew one woman whose entire family got sick and she did not experience anything until three or four years later. He said some become more sensitized to infrasound.

MOTION: To receive and place on file

Tibbetts / Schadewald

MOTION CARRIED

11. **Correspondence**  
None
12. **Comments from the Public**  
None.

**13. All Other Business Authorized by Law**

Mr. Schadewald asked if press releases are sent by Anna and Erik to just him or to all the Board of Health members. Anna indicated at this time they are only sent to Mr. Schadewald. Mr. Schadewald asked if he should then forward to other Board members. Erik stated there is a message on the bottom about having a quorum. Mr. Schadewald said he would forward but instructed members not to reply because that could constitute a quorum.

**14. Adjournment / Next Meeting Schedule**

July 16, 2019 5:30 PM at Sophie Beaumont

**15. Motion to adjourn**

Tibbetts / Brown Sullivan